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NASA Procedural Requirements

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Appendix G. Reference List for Metric Measurements

G.1 Reference List

IEEE/ASTM-S1 10 "Standard for Use of the International System of Units (SI) - The Modern Metric System." http://standards.nasa.gov/NPTS/main_menu.taf.

Artusa, Elisa A. SI (Metric) Handbook. National Aeronautics and Space Administration, John F. Kennedy Space Center. NASA TM-109197. Baltimore, MD: NASA Center for AeroSpace Information, 1994. Provides information for an understanding of SI units, symbols, and prefixes, and style and usage in documentation in both the U.S. and in the international business community; conversion techniques; limits, fits, and tolerance data; and drawing and technical writing guidelines. Also provides information on SI usage for specialized applications like data processing and computer programming, science, engineering, and construction. Related information in the appendixes includes legislative documents, historical and biographical data, a list of metric documentation, rules for determining significant digits and rounding, conversion factors, shorthand notation, and a unit index.

Conversion Factors. Northridge, CA: U.S. Metric Association. A comprehensive one-page table that provides conversion factors from both inch-pound units to metric system units and from metric system units to inch-pound units. Shows the conversion factors for length, area, volume, torque, mass, energy/work, power, pressure/stress, force, speed, and temperature. Order from USMA website: <http://lamar.colostate.edu/~hillger/>.

Institute of Electrical and Electronics Engineers. American National Standard Illustrations for Publication and Projection. ANSI Y15.1M. New York: ANSI, 1979 (1986).

Metric Editorial Guide, Fifth Edition. Bethesda, MD: American National Metric Council, 1993. Explains and illustrates proper use of SI metric units, terms, and symbols. Provides standard spelling, punctuation, and usage for metric terms, abbreviations, and symbols.

Pedde, Lawrence D., et al. Metric Manual. U.S. Bureau of Reclamation. GPO S/N 024-0003-00129-5. Washington, DC: U.S. Government Printing Office, 1978. Presents the basics of SI (International System of Units), metric conversion techniques, and examples of engineering problems associated with metric conversion.

USMA's Guide to the Use of the Metric System [SI Version], 15th ed., 2000.

STI Metric Style Manual for Written and Computer Usage, <http://lamar.colostate.edu/~hillger/supplies.htm>.

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